

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
1045-RE-98

SERIAL NO.

APPLICANT
Akimitsu Tsukuda et al.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>7/6/03</i>	AA	4,645,702	2/24/87	Asakura et al			
<i>1</i>	AB	5,780,387	7/14/98	Harada			
<i>1</i>	AC	5,886,819	3/23/99	Murata et al.			
<i>1</i>	AD	5,686,166	11/11/97	Tsukuda et al.			
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>1</i>	AL	JP 10265589A	10/6/98	Japan			Abstract only	
<i>1</i>	AM	JP 11003513A	1/6/99	Japan			Abstract only	
<i>1</i>	AN	JP 11106529A	4/20/99	Japan			Abstract only	
<i>1</i>	AO	JP 01247162A	10/3/89	Japan			Abstract only	
<i>1</i>	AP	JP 60127523A	7/8/85	Japan			Abstract only	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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	AH						
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>Yes</i>	AL	EP 882759A1	12/9/98	Europe				
<i>1</i>	AM	EP 0842754	5/98	Europe				
<i>1</i>	AN	EP 0702361	3/96	Europe				
<i>1</i>	AO	EP 0702359	3/96	Europe				
	AP							

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